Synology DiskStation DS112j

Budget-friendly 1-bay NAS server for Home Users

Synology DiskStation DS112j is designed to provide a simple solution for file backup, storage, and sharing in your home environment with low power consumption. Running on DiskStation Manager (DSM) operating system, it delivers ease of use and variety of personal entertainment features.

Highlights:

- 24/7 Personal Cloud
- DLNA® Certified Media Server
- 2.5" and 3.5" HDD Support
- Hardware Encryption Engine
- Cool and Quite Design
- Power-saving with only 12.1 Watts in Operation
- Running on Synology DiskStation Manager (DSM)

Your Personal Cloud

With Synology DS112j, you can centralize all the data and files and share with your family members within local network. If you find this way of managing files particularly useful and interesting, you can have your own personal cloud so the sharing coverage can be extended to the Internet.

The EZ-Internet wizard guides you through all the steps necessary to establish remote Internet access to your Synology DS112j. You will be allowed to remotely access your DS112j anywhere within minutes, and it is just that easy.

If you are always on the move, Synology provides a handy app, DS file for iPhone®, iPad® and Android™ users. Anything stored on Synology DS112j can now be accessed remotely using DS file via the Internet.

Versatile Multimedia Center for Home

With the built-in media server on the DS112j, you can stream digital multimedia content from a Synology DiskStation to a media device such as a stereo system, Sony™ PlayStation® 3 and Microsoft® XBox 360. You can also stream videos and music to a DLNA/UPnP® compatible TV set so you can enjoy your favorite movies or TV shows that are stored on your DiskStation. Your living room just got better.

For fully digitized music listening experience from the comfort of your couch, by connecting DS112j to a home stereo system and using DS audio App for iPad, iPhone and Android, users can control music playback with simplicity.

Your 24x7 Download Server

Download Station functions as a 24x7 BT, FTP, HTTP, eMule, and NZB download center without a PC. The eMule & BT search engine allows search-n-download capability without installing additional desktop applications.

RSS feed feature will bring the latest updates directly to you. You can subscribe to multiple RSS feeds that list the information of all your favorite downloads, and your download experience is entirely automated.

Share Your Memories to Friends

Photo Station simplifies photo, video, and blog sharing to the public. Features such as theme personalization, blog, and user privilege settings make Photo Station your state-of-the-art lifestyle sharing center on the Internet. Photo Station syncs the album automatically to Facebook, so it is now even more closely intertwined with your social life.

Back up All Your Important Files

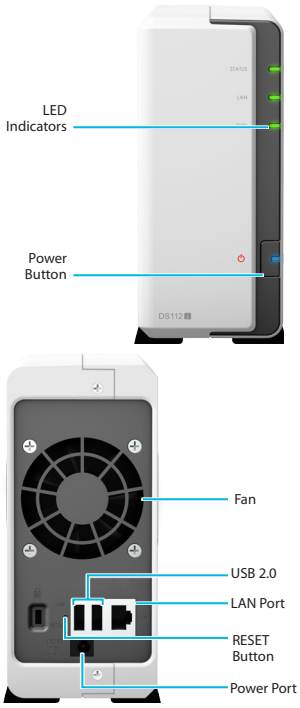
The Synology DS112j offers a centralized backup target to all your PC/Mac® computers in the house. PC Users can back up their data to the Synology DS112j using the free Synology Data Replicator software, while Mac OS X® users enjoy native Apple® Time Machine® integration. A web-based backup wizard is provided for backing up data in the Synology DS112j to another Synology DiskStation or to an external hard drive via USB connection.

Energy Efficient with Cool and Quiet Design

Synology DS112j is designed with energy efficiency in mind. Not only does it provide a larger fan and the smart airflow to keep the system running cool 24/7, its noise dampening design makes it really quiet (17.1 dB) compared to PC counterparts. The support of multiple scheduled power on/off and hard drive hibernation can further reduce power consumption and operation cost.

All Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology acknowledges the responsibility as a global citizen to continually work to reduce the environmental impact of every product produced.

CONNECTIONS & BUTTONS



Technical Specifications

Hardware

- CPU Frequency: 1.0GHz
- Memory: 128MB
- Internal HDD: 3.5" or 2.5" SATA(II) X 1 (with 2.5" Disk Holder Type C) (hard drive not included)
- Max Internal Capacity: 3TB (1 X 3TB HDD)
- Max Supported IP Camera #: 5
- Size (HxWxD): 166 X 71 X 224
- External Storage Interface: USB 2.0 X 2
- Weight: 0.72Kg
- LAN: Gigabit X1
- Wireless Support (wireless dongles not included)
- Hardware Encryption Engine
- Fan: 1X (60x60x15mm)
- Noise Level[1]: 17.1 dB(A)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Power Consumption[2]: 12.1W (Access); 11.0W (Idle); 4.4W (Hibernation)
- Operating Temperature: 5°C to 35°C (40°F to 95°F)
- Storage Temperature: -10°C to 70°C (15°F to 155°F)
- Relative Humidity: 5% to 95%RH
- Maximum Operating Altitude: 10,000 feet
- Certification: FCC Class B, CE Class B, BSMI Class B

Applications

File Browser
- Virtual Drive
- Remote Folder

File Station

FTP Server
- Bandwidth Control
- Custom FTP Passive Port Range
- Transfer Log

Mail Server
- Supported Mail Server Protocol : SMTP

Web Station
- Virtual Host (up to 30 websites)
- PHP/MySQL®
- Alternative HTTP Error Page
- 3rd-Party Applications Support

Surveillance Station
- Default IP cam #: 1
- MAX IP cam # (licenses required): 5 (1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.)

Photo Station
- Facebook Integration
- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, RAW (arw, srf, sr2, dcr, k25, kdc, cr2, crw, nef, mrw, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)
- Supported Video Format: 3G2, 3GP, ASF, AVI, DAT, DivX, FLV, M4V, MOV, MP4, MPEG, MPG, QT, WMV, XviD, RM, RMVB, VOB, RV30, RV40, AC3, AMR, WMA3 (Users can click and download the following video formats: RM, RMVB, VOB, RV30, RV40, AC3, AMR, WMA3, but not able to play it in Photo Station as compressed Flash® video.)

Download Station
- Supported Download Protocols: BT/HTTP/FTP/NZB/eMule
- Custom BT Port
- BT / eMule Bandwidth Control

Audio Station
- Supported Audio Format: (USB Mode) AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR; (Streaming Mode) MP3, M4A, M4B
- Supported Playlist Format: M3U, WPL
- Internet Radio: SHOUTcast®, Radioio®

DLNA/UPnP Media Server
- DLNA Certified
- PS3/Xbox 360® Support
- Supported Audio Format: AAC, FLAC, M4A, MP3, Ogg, Vorbis, PCM, WAV, WMA, WMA VBR, WMA PRO, WMA Lossless
- Supported Video Format: 3GP, 3G2, ASF, AVI, DAT, DivX, DVR-MS, ISO, M2T, M2TS, M4V, MKV, MP4, MPEG1, MPEG2, MPEG4, MTS, MOV, QT, SWF, TP, TRP, TS, VOB, WMV, XviD
- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO
- Supported Subtitles Format: srt, psb, smi, ass, ssa, sub, idx, ifo

iTunes® Server
- Supported Audio Format: MP3, M4A, M4P, WAV, AIF (MP3, M4A, M4P, WAV, AIF (The music in WAV and AIF format can be streamed, but the metadata (ex: title, album) may not be indexed on the iTunes.)
- Supported Video Format: M4V, MOV, MP4
- Supported Playlist Format: M3U, WPL

Print Server
- Max Printer #: 2
- Printing Protocols: LPR, CIFS, AppleTalk®, Apple AirPrint™, Google Cloud Print™ (For Mac users, only PostScript USB printers are supported.)
- Multi Functional Print Server

Package Center
- Mail Station 2
- Webalizer
- phpMyAdmin
- Time Backup
- VPN Server
- WordPress®
- Syslog Server
- Directory Server
- HiDrive® Backup

iOS® and Android Applications
- DS photo+
- DS audio
- DS cam
- DS file
- DS finder

General Specifications

Networking Protocols
- CIFS, AFP, FTP, iSCSI, Telnet, SSH, NFS, SNMP, WebDAV, CalDAV

File System
- EXT4
- EXT3 (External Disk Only)
- FAT (External Disk Only)
- NTFS (External Disk Only)

Volume Management
- Max Volume #: 1
- Max iSCSI Target #: 10
- Max iSCSI LUN #: 10
- Volume Type: Basic

File Sharing Capability
- Max User Account #: 512
- Max Group #: 128
- Max Shared Folder #: 256
- Max Concurrent Connections # (SAMBA, FTP, AFP): 64

Windows® Access Control List (ACL) Support

Windows ADS Domain Integration
- Domain Users login via Samba/AFP/FTP/File Station

Backup Solutions
- Network Backup
- Shared Folder Sync
- Local Backup
- Desktop Backup (using Synology Data Replicator or Apple Time Machine backup application)
- 3rd-Party Backup Support
- USBCopy

Security
- FTP over SSL/TLS
- IP Auto-Block
- Firewall
- Encrypted Network Backup over Rsync
- HTTPS Connection

Management
- DSM Update
- DSM mobile
- Email Notification
- SMS Notification
- Customized User Quota
- DDNS Support
- PPPoE
- Resource Monitor
- UPS Management
- UPnP Router Support
- Scheduled Power On/Off
- Custom Management UI HTTP/HTTPS Ports

HDD Management
- HDD Hibernation
- S.M.A.R.T.
- Dynamic Bad Sector Mapping

Utilities
- Synology Assistant
- Synology Data Replicator

Support Browsers
- Internet Explorer® 7/8/9
- Firefox®
- Safari® 4/5 (Mac)
- Chrome™

Supported Clients
- Windows XP onward
- Mac OS X 10.5 onward
- Ubuntu 9.04 onward

Supported Mobile Devices (Photo Station, File Station)
- iPhone OS 2.2.1 onward
- Android OS 1.5 onward
- Windows Mobile (IE Mobile or Opera 9.0 onward)
- Symbian™ OS 9.1, S60 3rd Edition onward

Language
- English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, 日本語, 한국어, 繁體中文, 简体中文

Environment and Packaging

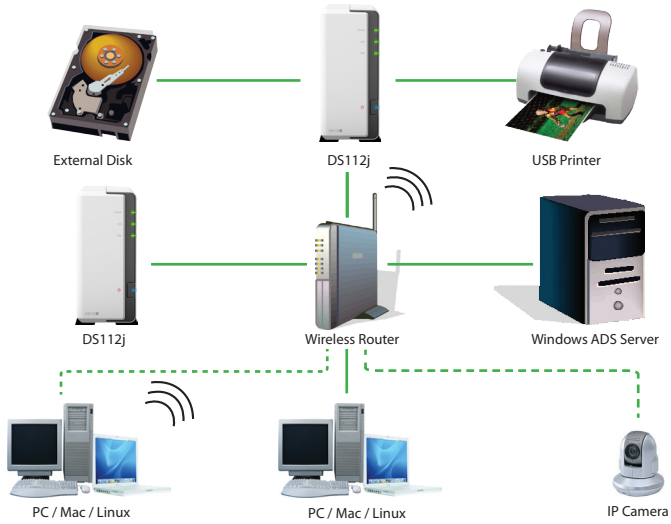
Environment
- RoHS Compliant

Package Content
- DS112j Main Unit
- Installation DVD
- Welcome Note
- Assembling Kit
- AC Power Adapter
- AC Power Cord
- 2M RJ-45 LAN Cable

Optional Accessories
- Synology Remote
- Camera License Pack
- 2.5" Disk Holder Type C

1. Fully loaded with Seagate® ST31000520AS hard drive(s) in operation; Two G.R.A.S. Type 40AE microphones, each set up at 1 meter away from the DiskStation front and rear; Background noise: 17.0 dB(A); Temperature: 22.0°C; Humidity: 64.4%; More details about dB(A) value, check http://www.memtechacoustical.com/facts.asp
2. Measured with 1 Western Digital® 3TB WD30EZRS hard drive. The figures could vary on different environments.

Networking



SYNOLOGY INC.

Founded in 2000, Synology is a young and energetic company dedicated to developing high-performance, reliable, versatile, and environmentally-friendly Network Attached Storage (NAS) products. Our goal is to deliver user-friendly solutions and solid customer service to satisfy the needs of businesses, home offices, individual users and families.

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http://www.synology.com

Headquarters
Synology Inc.
3F-3, No. 106, Chang An W. Rd., Taipei, Taiwan
Tel: +886 2 2552 1814 Fax: +886 2 2552 1824

North & South America
Synology America Corp.
2899 152nd Ave NE, Redmond, WA 98052. USA
Tel: +1 425 818 1587

Synology UK Ltd.
Etheridge Avenue,
Brinklow, Milton Keynes,
MK10 0BP, UK
Tel: +44 1908 587422

Germany
Synology GmbH
Königsallee 92a
40212 Düsseldorf
Tel: +49 (0)211 5403 9658